



Invitation for Sealed Bid #0054924

For

HPE Data Management Framework Solution

March 15, 2018

Note: This public body does not discriminate against faith-based organizations in accordance with the *Code of Virginia*, § 2.2-4343.1 or against a bidder or offeror because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by state law relating to discrimination in employment.

INVITATION FOR SEALED BID #0054924

SUPERCOMPUTER SYSTEM AND PROFESSIONAL SERVICES

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (VIRGINIA TECH)
INFORMATION TECHNOLOGY PROCUREMENT (MC 0214)
1700 PRATT DRIVE
BLACKSBURG, VIRGINIA 24061

DATE: March 15, 2018	BID DUE DATE AND TIME: March 29,2018 @ 3PM
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BIDDERS ADDRESS

ADDRESS ALL INQUIRIES AND
CORRESPONDENCE TO:
Ariel Bowman
Virginia Tech
Buyer Specialist, IT Procurement
1700 Pratt Drive
Blacksburg, VA 24061
E-MAIL ADDRESS: arielb@vt.edu
TELEPHONE NUMBER (540) 231-7953

SPECIAL INSTRUCTIONS

1. **Sealed Bids** must be mailed, express mailed or hand delivered directly to the Information Technology Procurement Office. Sealed Bids cannot be faxed or emailed directly to Information Technology Procurement.
2. Responses must be submitted on this form and attachment(s) included.
3. Responses shall be signed below.
4. Responses will be received in the Virginia Polytechnic Institute and State University (Virginia Tech), IT Procurement Office (MC 0214), 1700 Pratt Drive, Blacksburg, VA 24061 until the bid due date and hour provided above.

Please note that USPS is delivered to a central location and is not delivered directly to the IT Procurement Office. Allow extra time if sending proposal via USPS. It is the vendor's responsibility to ensure proposals are received in the Procurement office at the appropriate date and time for consideration. The University is not responsible for late delivery by U. S. Postal mail or other couriers.

5. **DELIVERY IS F.O.B. DESTINATION UNLESS OTHERWISE NOTED IN THE BODY OF THE BID.**
6. Any **ADDENDUM** issued for this solicitation may be accessed at <http://itpals.vt.edu/index/itprocurementsolutions/solicitations.html>. Paper copies of the addenda will not be mailed to you, therefore you are encouraged to check this website regularly.
7. **Bidders must be aware of the fees associated with the eVA Business-To-Government Vendor Registration requirement described herein and at <http://www.eva.virginia.gov> and submit prices accordingly.**

CERTIFICATION: IN ACCORDANCE WITH THIS INVITATION FOR SEALED BID AND SUBJECT TO ALL TERMS AND CONDITIONS CONTAINED HEREIN INCLUDING THE GENERAL TERMS AND CONDITIONS SHOWN AT

http://www.procurement.vt.edu/content/dam/procurement_vt_edu/docs/terms/GTC_BID_01012016.pdf

THE UNDERSIGNED OFFERS AND AGREES TO FURNISH THE GOODS OR SERVICES FOR THE PRICE(S) OFFERED.

FULL LEGAL NAME (PRINT) (Company name as it appears with your Federal Taxpayer Number)		FEDERAL TAXPAYER NUMBER (ID#)		DELIVERY DATE	
BUSINESS NAME/DBA NAME/TA NAME (If different than the Full Legal Name)		FEDERAL TAXPAYER NUMBER (If different than ID# above)			
BILLING NAME (Company name as it appears on your invoice)		FEDERAL TAXPAYER NUMBER (If different than ID# above)			
PURCHASE ORDER ADDRESS		PAYMENT ADDRESS			
CONTACT NAME/TITLE (PRINT)		SIGNATURE (IN INK)		DATE	
E-MAIL ADDRESS	TELEPHONE NUMBER	TOLL FREE TELEPHONE NUMBER		FAX NUMBER	
*BUSINESS CLASSIFICATION	<input type="checkbox"/> LARGE	<input type="checkbox"/> SMALL	<input type="checkbox"/> MINORITY-OWNED	<input type="checkbox"/> WOMEN-OWNED	
*Business Classification definitions can be viewed at http://www.procurement.vt.edu/vendor/class.html					
*Is your Classification certified by the Virginia Department of Small Business and Supplier Diversity (SBSD)? <input type="checkbox"/> Yes <input type="checkbox"/> No			If yes, provide Certification Number:		
*For assistance with certification questions, please visit: http://sbsd.virginia.gov/					

Is any member of the firm an employee of the Commonwealth of Virginia who has a personal interest in this contract pursuant to the Code of Virginia? YES _____ NO _____

SIGNATURE _____

Date: _____

THIS IS NOT AN ORDER

Revised 7/01/2017

I. PURPOSE:

The intent and purpose of this Invitation For Sealed Bid is to purchase, install, implement, and support HPE Data Management Framework Solution for Virginia Polytechnic Institute and State University (Virginia Tech), an agency of the Commonwealth of Virginia.

II. EVA BUSINESS-TO-GOVERNMENT ELECTRONIC PROCUREMENT SYSTEM:

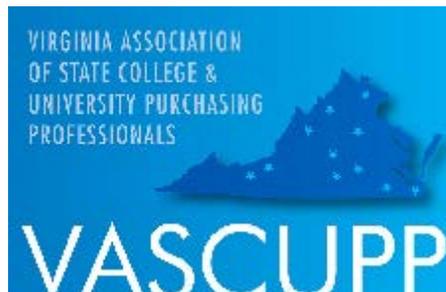
The eVA Internet electronic procurement solution streamlines and automates government purchasing activities within the Commonwealth of Virginia. Virginia Tech, and other state agencies and institutions, have been directed by the Governor to maximize the use of this system in the procurement of goods and services. *We are, therefore, requesting that your firm register as a trading partner within the eVA system.*

There are registration fees and transaction fees involved with the use of eVA. These fees must be considered in the provision of quotes, bids and price proposals offered to Virginia Tech. Failure to register within the eVA system may result in the quote, bid or proposal from your firm being rejected and the award made to another vendor who is registered in the eVA system.

Registration in the eVA system is accomplished on-line. Your firm must provide the necessary information. Please visit the eVA website portal at <http://www.eva.virginia.gov/pages/eva-registration-buyer-vendor.htm> and **register both with eVA and Ariba**. *This process needs to be completed before Virginia Tech can issue your firm a Purchase Order or contract.* If your firm conducts business from multiple geographic locations, please register these locations in your initial registration.

For registration and technical assistance, reference the eVA website at: <http://www.eva.virginia.gov>, or call 866-289-7367 or 804-371-2525.

III. CONTRACT PARTICIPATION:



It is the intent of this solicitation and resulting contract to allow for cooperative procurement. Accordingly, any public body, public or private health or educational institutions, or Virginia Tech's affiliated corporations and/or partnerships may access any resulting contract if authorized by the contractor.

Participation in this cooperative procurement is strictly voluntary. If authorized by the Contractor, the resultant contract may be extended to the entities indicated above to purchase at contract prices in accordance with contract terms. The Contractor shall notify Virginia Tech in writing of any such entities accessing the contract, if requested. No modification of this contract or execution of a separate contract is required to participate. The Contractor will provide semi-annual usage reports for all entities accessing the Contract as requested. Participating entities shall place their own orders directly with the Contractor and shall fully and independently administer their use of the contract to include contractual disputes, invoicing and payments without direct administration from

Virginia Tech. Virginia Tech shall not be held liable for any costs or damages incurred by any other participating entity as a result of any authorization by the Contractor to extend the contract. It is understood and agreed that Virginia Tech is not responsible for the acts or omissions of any entity, and will not be considered in default of the contract no matter the circumstances.

Use of this contract does not preclude any participating entity from using other contracts or competitive processes as the need may be.

A. Overview:

1. The Contractor shall furnish and deliver equipment and professional services as described in Attachment B, Price Schedule.
2. All equipment provided shall be in new condition with full manufacturer's warranty.
3. All equipment offered shall fully adhere to the specifications and configuration as shown in Attachment B, Price Schedule.

A. Contractor Qualifications:

The Contractor shall be the manufacturer or an authorized distributor for the manufacturer's equipment provided.

B. Delivery:

1. Please indicate your earliest firm delivery date by which all items can be delivered: _____
2. Equipment shall be delivered to:
Biocomplexity Institute of Virginia Tech
1015 Life Science Circle (MC 0477)
Blacksburg, VA 24061
3. Contractor shall coordinate the delivery and installation of all equipment with Kevin Shinpaugh no later than 24 hours in advance. Kevin can be reached by phone: 540-231-1246 or email: kashin@vt.edu
4. Inside Delivery (loading dock available)

D. Price:

The Total price shown in Attachment B shall include all of the contractor's costs associated with furnishing and delivering the equipment / services described herein.

E. Substitutions:

No substitutions will be accepted in lieu of the equipment described in Attachment B.

IV. PRICE SCHEDULE: (TO BE COMPLETED BY BIDDER):

Bidder shall complete Attachment B, Price Schedule.

V. **METHOD OF PAYMENT:**

Virginia Tech will authorize payment to the contractor after each satisfactory delivery of and receipt of the contractor's invoice.

Payment can be expedited through the use of the Wells One AP Control Payment System. Virginia Tech strongly encourages participation in this program. For more information on this program please refer to Virginia Tech's Purchasing website: <http://www.procurement.vt.edu/vendor/wellsone.html> or contact the person in Procurement Department identified in the IFB.

VI. **INVOICES:**

Invoices for goods or services provided under any contract resulting from this solicitation shall be submitted by email to vtinvoices@vt.edu or by mail to:

Virginia Polytechnic Institute and State University (Virginia Tech)
Accounts Payable
North End Center, Suite 3300
300 Turner Street NW
Blacksburg, Virginia 24061

VII. **ADDENDUM:**

Any **ADDENDUM** issued for this solicitation may be accessed at <http://itpals.vt.edu/index/itprocurementsolutions/solicitations.html>. Paper copies of the addenda will not be mailed to you, therefore you are encouraged to check this website regularly.

VIII. **CONTROLLING VERSION OF SOLICITATION:**

The posted version of the solicitation and any addenda issued by Virginia Tech Information Technology Procurement is the mandatory controlling version of the document. Any modification of/or additions to the solicitation by the Bidder shall not modify the official version of the solicitation issued by Virginia Tech Information Technology Procurement. Such modifications or additions to the solicitation by the Bidder may be cause for rejection of the bid; however, Virginia Tech reserves the right to decide, on a case by case basis, in its sole discretion, whether to reject such a bid.

IX. **TERMS AND CONDITIONS:**

This solicitation and any resulting contract/purchase order shall be governed by the attached terms and conditions.

X. **ATTACHMENTS:**

Attachment A – Terms and Conditions
Attachment B – Price Schedule

ATTACHMENT A
TERMS AND CONDITIONS

RFP/BID GENERAL TERMS AND CONDITIONS

See

http://www.procurement.vt.edu/content/dam/procurement_vt_edu/docs/terms/GTC_BID_01012016.pdf

ADDITIONAL TERMS AND CONDITIONS

- A. ADDITIONAL GOODS AND SERVICES:** The University may acquire other goods or services that the supplier provides than those specifically solicited. The University reserves the right, subject to mutual agreement, for the Contractor to provide additional goods and/or services under the same pricing, terms and conditions and to make modifications or enhancements to the existing goods and services. Such additional goods and services may include other products, components, accessories, subsystems, or related services newly introduced during the term of the Agreement.
- B. AUDIT:** The Contractor hereby agrees to retain all books, records, and other documents relative to this contract for five (5) years after final payment, or until audited by the Commonwealth of Virginia, whichever is sooner. Virginia Tech, its authorized agents, and/or the State auditors shall have full access and the right to examine any of said materials during said period.
- C. AVAILABILITY OF FUNDS:** It is understood and agreed between the parties herein that Virginia Tech shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.
- D. IDENTIFICATION OF BID/PROPOSAL ENVELOPE:** The signed bid or proposal should be returned in a separate envelope or package and identified as follows:

From: _____

Name of Bidder or Offeror	Due Date	Time Due
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Street or Box No.	Solicitation Number
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City, State, Zip Code	Solicitation Title
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Name of Procurement Officer: _____

The envelope should be addressed to:

VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY (Virginia Tech)
Information Technology Procurement (MC 0214)
Attn: Ariel Bowman
1700 Pratt Drive
Blacksburg, Virginia 24061

The offeror takes the risk that if the envelope is not marked as described above, it may be inadvertently opened and the information compromised, which may cause the proposal to be disqualified. Bids may be hand delivered to the designated location in the office issuing the solicitation. No other correspondence or other bids/proposals should be placed in the envelope.

E. NOTICES: Any notices to be given by either party to the other pursuant to any contract resulting from this solicitation shall be in writing, hand delivered or mailed to the address of the respective party at the following address

If to Contractor: Address Shown On IFB Cover Page
Attention: Name Of Person Signing IFB

If to Virginia Tech:

Virginia Polytechnic Institute and State University (Virginia Tech)
Attn: Ariel Bowman
Information Technology Procurement (MC 0214)
1700 Pratt Drive
Blacksburg, Virginia 24061

and

Virginia Polytechnic Institute and State University (Virginia Tech)
Attn: Kevin Shinpaugh
Biocomplexity Institute of Virginia Tech
1015 Life Science Circle
Blacksburg, Virginia 24061

F. SEVERAL LIABILITY: Virginia Tech will be severally liable to the extent of its purchases made against any contract resulting from this solicitation. Applicable entities described herein will be severally liable to the extent of their purchases made against any contract resulting from this solicitation.

G. CLOUD OR WEB HOSTED SOFTWARE SOLUTIONS: For agreements involving Cloud-based Web-hosted software/applications refer to link for additional terms and conditions: http://www.ita.vt.edu/purchasing/VT_Cloud_Data_Protection_Addendum_final03102017.pdf

ATTACHMENT B PRICE SCHEDULE

Description of Articles	Quantity	Unit	Amount
<p>HPE Data Management Framework 7 Solution to include the following:</p> <ul style="list-style-type: none"> • Factory Integrated DL360 (1U) Nodes • 3x DMF7 DB Nodes; 12 cores, 192GB each • 867959-B21 - HPE DL360 Gen10 8SFF Server (x3) • 860685-L21 - HPE DL360 Gen10 Xeon-G 6128 FIO Kit 3.4GHz/6-core/115W processor (x3) • 860685-B21 - HPE DL260 Gen10 Xeon-G 6128 Kit 3.4GHz/6-core/115W processor (x3) • 815098-B21 - HPE 16GB 1Rx4 PC4-2666V-R Smart Kit (x36) • 875317-B21 - HPE 150GB SATA Read Intensive M.22280 DS SSD (x6) • 875474-B21 - HPE 960GB SATA Mixed Use SFF SC DS SSD (x12) • 867982-B21 - HPE DL360 Gen10 LP Riser Kit (x3) • 825110-B21 - HPE IB EDR/EN 100Gb 1P 840QSFP28 Adptr (x3) • 875241-B21 - HPE 96W Smart Storage Battery 145mm Cbl (x3) • 804331-B21 - HPE Smart Array P408i-a SR Gen10 Ctrlr (x3) • 878783-B21 - HPE Universal SATA HH M.2 Kit (x3) • 865414-B21 - HPE 800W FS Plat Ht Plg LH Pwr Sply Kit (x6) • 867998-B21 - HPE 1U Gen10 Bezel Kit (x3) • 874543-B21 - HPE 1U Gen10 SFF Easy Install Rail Kit (x3) 	1	lot	\$ _____
<p>DMF7 R-Pool Flash Node; 12 cores, 192GB to include the following:</p> <ul style="list-style-type: none"> • 867960-B21 - HPE DL360 Gen10 Premium 10NVMe Svr • 860685-L21 - HPE DL360 Gen10 Xeon-G 6128 FIO Kit 3.4GHz/6-core/115W processor • 860685-B21 - HPE DL360 Gen10 Xeon-G 6128 Kit 3.4GHz/6-core/115W processor • 815098-B21 - HPE 16GB 1Rx4 PC4-2666V-R Smart Kit (x12) • 875488-B21 - HPE 240GB SATA Mixed Use M.2 2280 DS SSD (x2) • 875595-B21 - HPE 800GB NVMe x4 Mixed Use SFF Scn DS SSD (x10) • 867978-B21 - HPE DL360 Gen10 SATA M.2 2280 Rsr Kit • 825110-B21 - HPE IB EDR/EN 100Gb 1P 840QSFP28 Adptr (x2) • 875241-B21 - HPE 96W Smart Storage Battery 145mm Cbl • 804331-B21 - HPE Smart Array P408i-a SR Gen10 Ctrlr • 865414-B21 - HPE 800W FS Plat Ht Plg LH Pwr Sply Kit (x2) • 867998-B21 - HPE 1U Gen10 Bezel Kit • 874543-B21 - HPE 1U Gen10 SFF Easy Install Rail Kit 	1	lot	\$ _____
<p>Factory Integrated DL380 (2U) Node ZWS Node; 12 cores, 64GB to include the following:</p> <ul style="list-style-type: none"> • 767033-B21 - HPE DL380 Gen9 4LFF Server • 817939-L21 - HPE DL380 Gen9 E5-2643v4 FIO Kit 3.4GHz//6-core/135W processor • 817939-B21 - HPE DL380 Gen9 E5-2643v4 Kit 3.4GHz//6-core/135W processor • 805347-B21 - HPE 8GB 1Rx8 PC4-2400-R Kit (x8) • 861691-B21 - HPE 1TB SATA 7.2K LFF SC DS HDD (x2) • 719073-B21 - HPE DL380 Gen9 Secondary Riser • 726903-B21 - HPE Smart Array P841/4G Controller (x4) • 825110-B21 - HPE IB EDR/EN 100Gb 1P 840QSFP28 Adptr • 719076-B21 - HPE DL380 Gen9 Primary Riser • 727258-B21 - HPE DL 96W 145mm Smart Stor Battery • 749976-B21 - HPE H240ar FIO Smart HBA • 339778-B21 - HP Raid 1 Drive 1 FIO Setting • 720479-B21 - HPE 800W FS Plat Ht Pwr Supply Kit (x2) • 666988-B21 - HPE 2U Security Bezel Kit • 733662-B21 - HPE 2U LFF Easy Install Rail Kit 	1	lot	\$ _____

ATTACHMENT B PRICE SCHEDULE

Description of Articles	Quantity	Unit	Amount
Q1H91A - HPE D6020 10TB 12G SAS LFF 700TB Bundle (5U) • 716191-B21 - HPE Ext 2.0M MiniSAS HD to MiniSAS Cbl (x8)	1	lot	\$ _____
G3J31AAE - Red Hat Enterprise Linux Server 2 Sockets or 2 Guests 3Y Subscription 9x5 Support, E-LTU (x5) • J1U56A - Red Hat Enterprise Linux 7 Media Kit	1	lot	\$ _____
Support/Installation/Implementation to include the following: • H7J32A3 - HPE 3Y Foundation Care NBD Service • H7J32A3 - WAG - HPE DL360 Gen10 Support (x4) • H7J32A3 - TT3 - HPE DL380 Gen9 Support • H7J32A3 - YYW - HPE D6020 Enclosure Support • HA114A1 - HPE Installation and Startup Service • HA114A1 - 5A0 - HPE Startup Entry 300 Series OS SVC (x4) • HA114A1 - 5A6 - HPE Startup 300 Series OS SVC • HA113A1 - HPE Installation Service • HA113A1 - 5BT - HPE MDS600 I/O Module Install SVC • H7RG3A1 - HPE DMF Implementation SVC • H7RG3A1 - 007 - HPE DMF Implmnt High Perf (Small) SVC	1	lot	\$ _____
UV300 Upgrade to include the following: • H7B80A - HPE MC990 800GB P3700 SSD Accelerator (x12)			
NO SUBSTITUTIONS. SHIPPING-FOB DESTINATION PRE-PAID & ALLOWED.			
		TOTAL	\$ _____